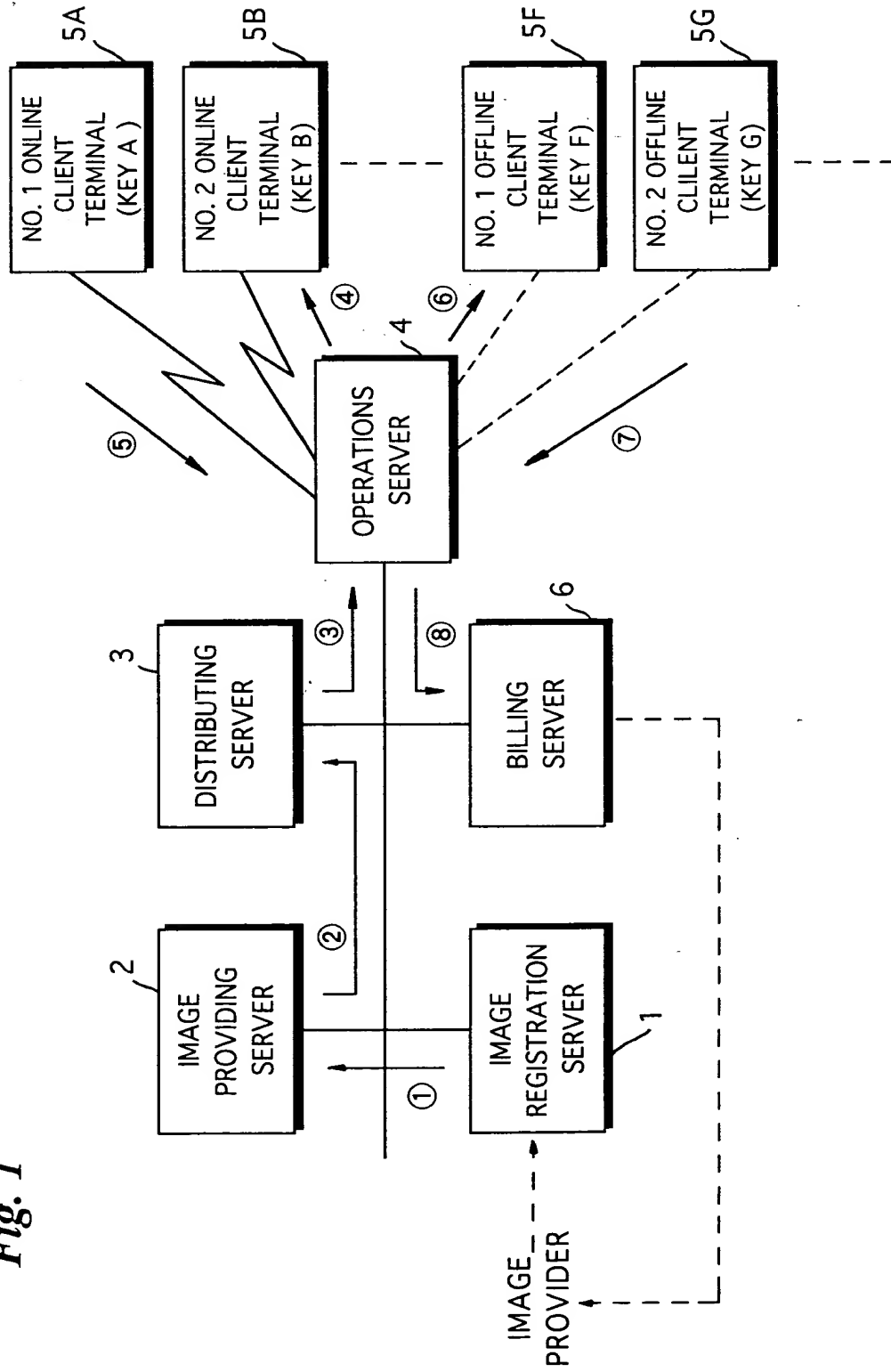
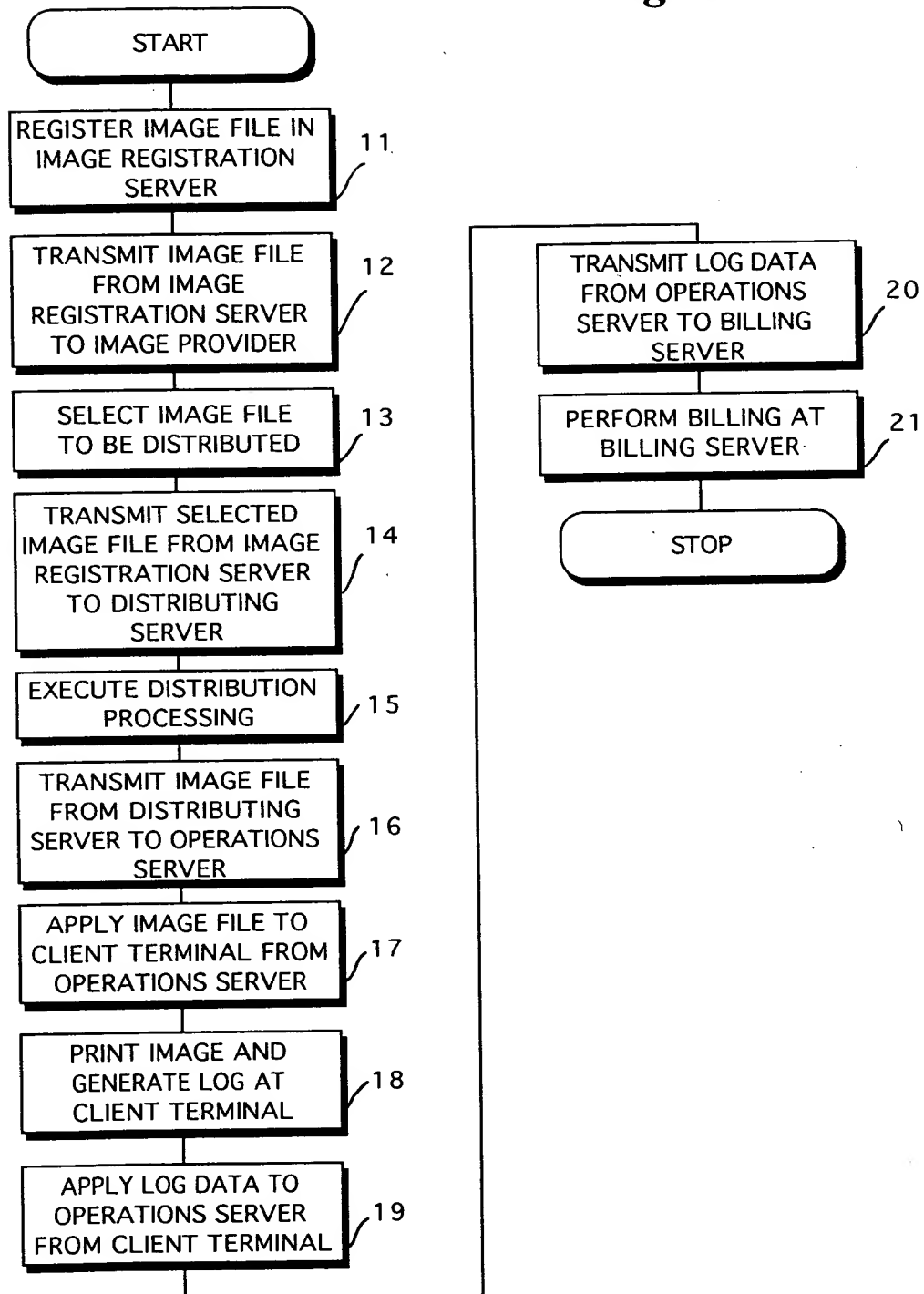


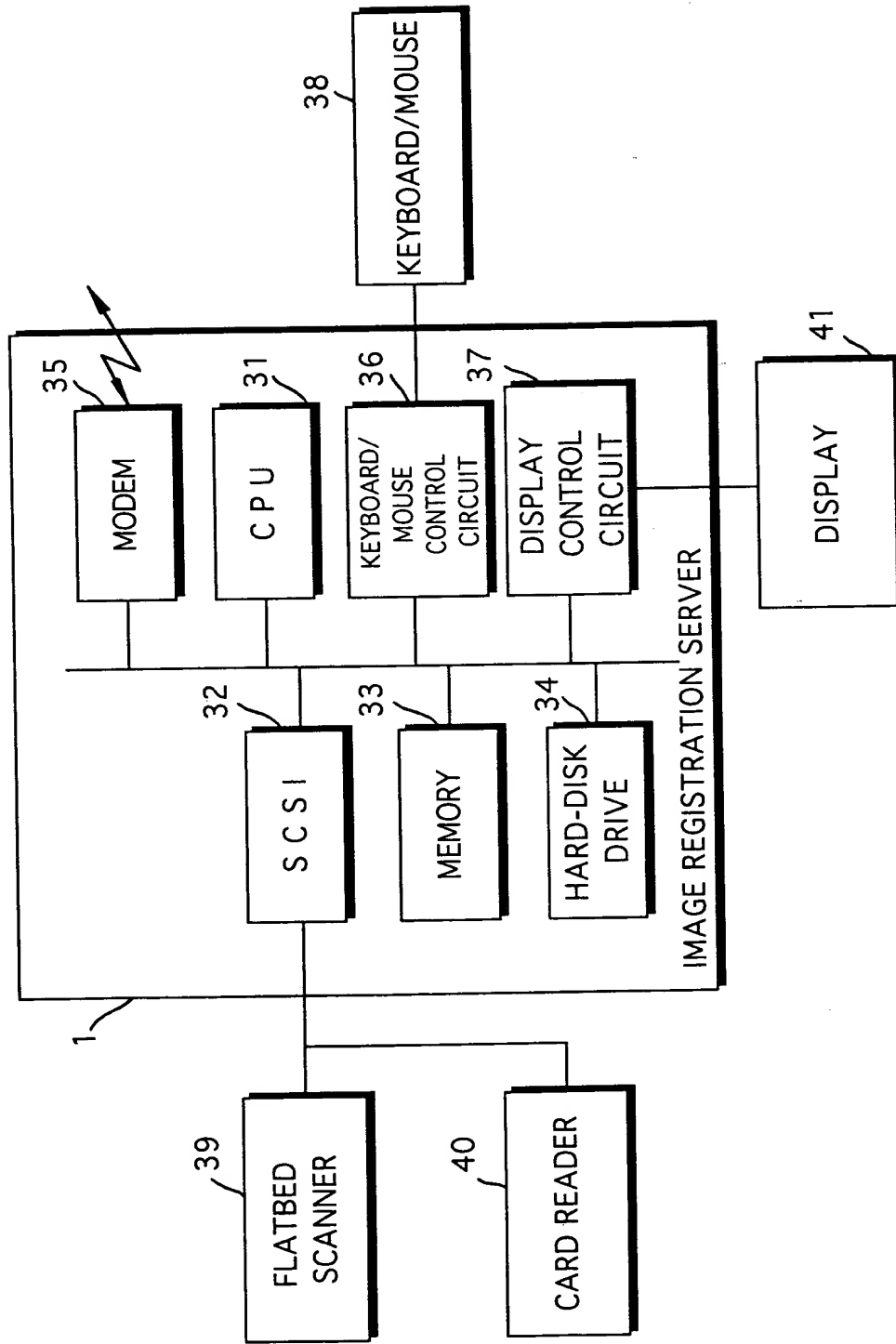
Fig. 1



*Fig. 2*

002260" T0.09200

Fig. 3

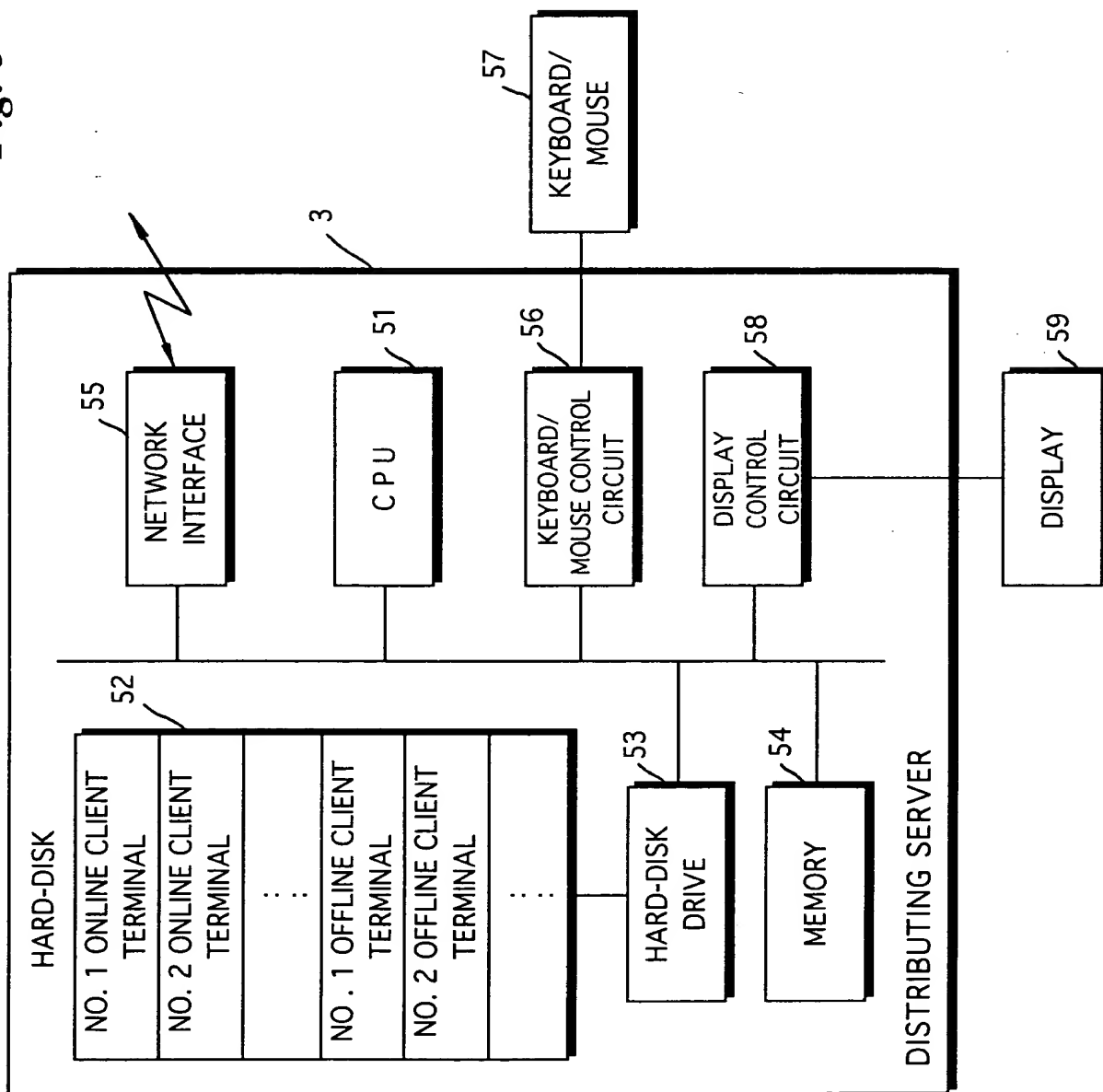


**Fig. 4**

CLIENT TERMINAL	KEY USED IN ENCRYPTION
NO. 1 ONLINE CLIENT TERMINAL	KEY A
NO. 2 ONLINE CLIENT TERMINAL	KEY B
⋮	⋮
NO. 1 OFFLINE CLIENT TERMINAL	KEY F
NO. 2 OFFLINE CLIENT TERMINAL	KEY G
⋮	⋮

002260" T029360

Fig. 5



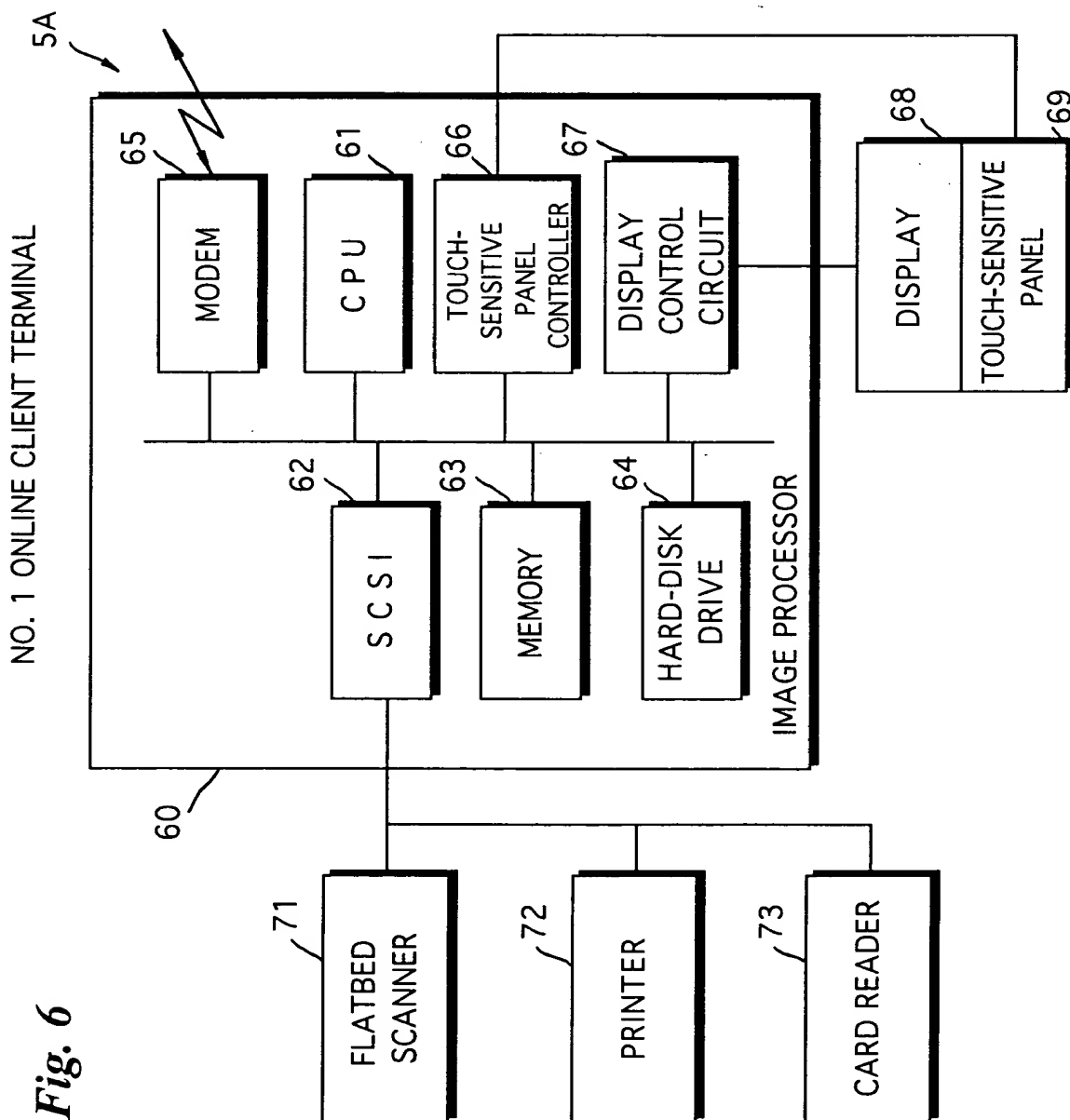
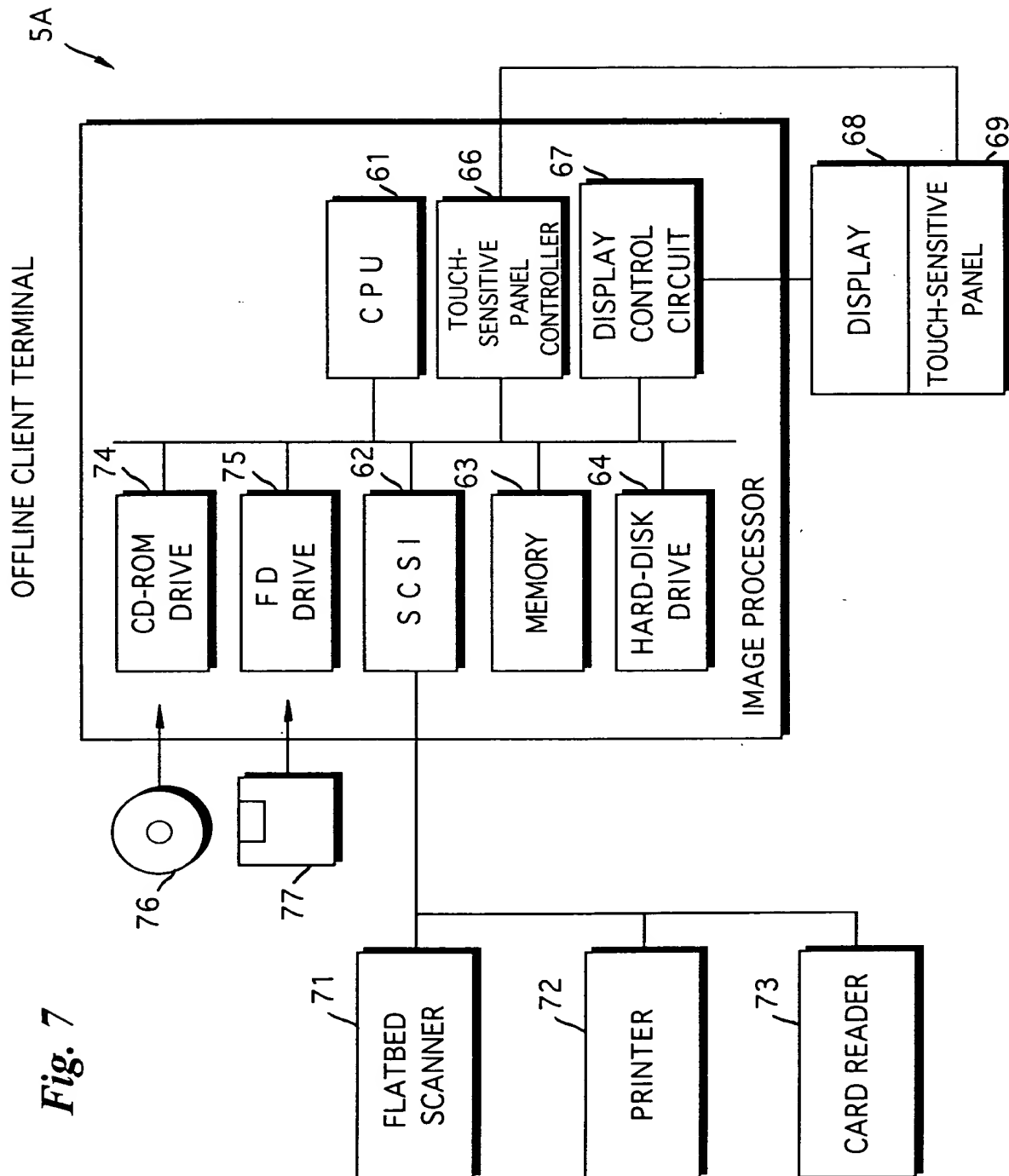
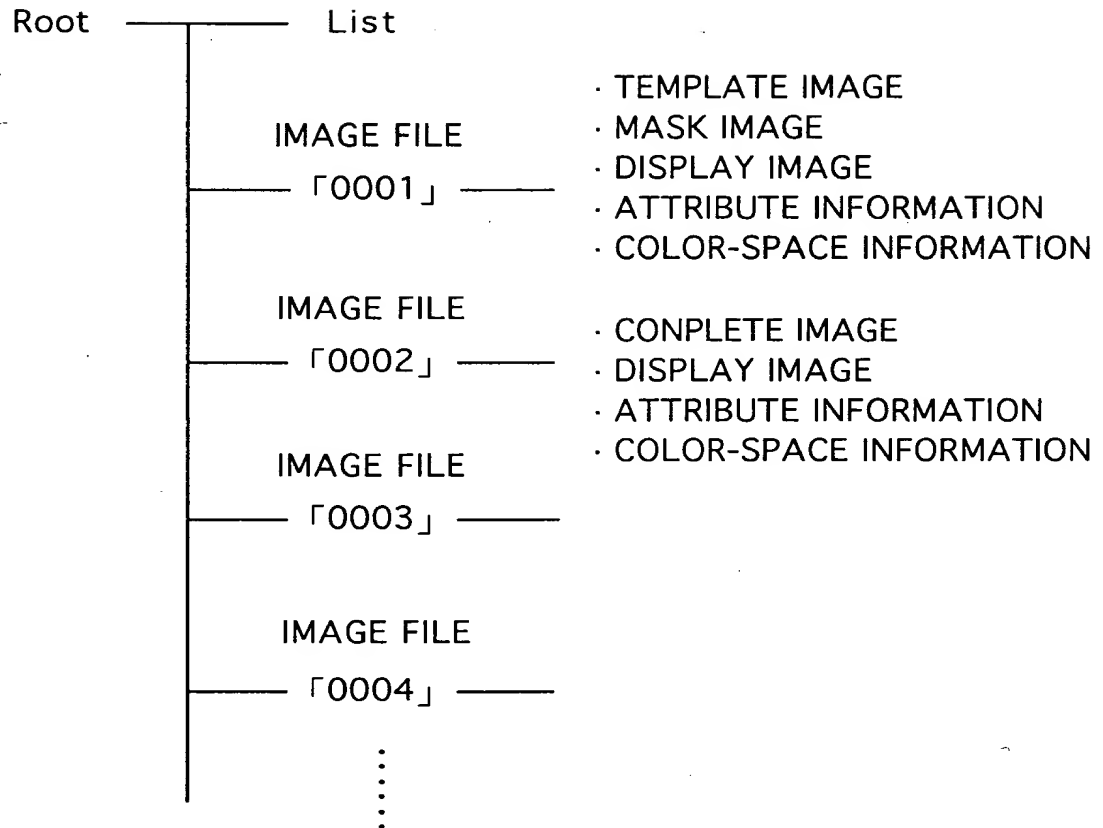


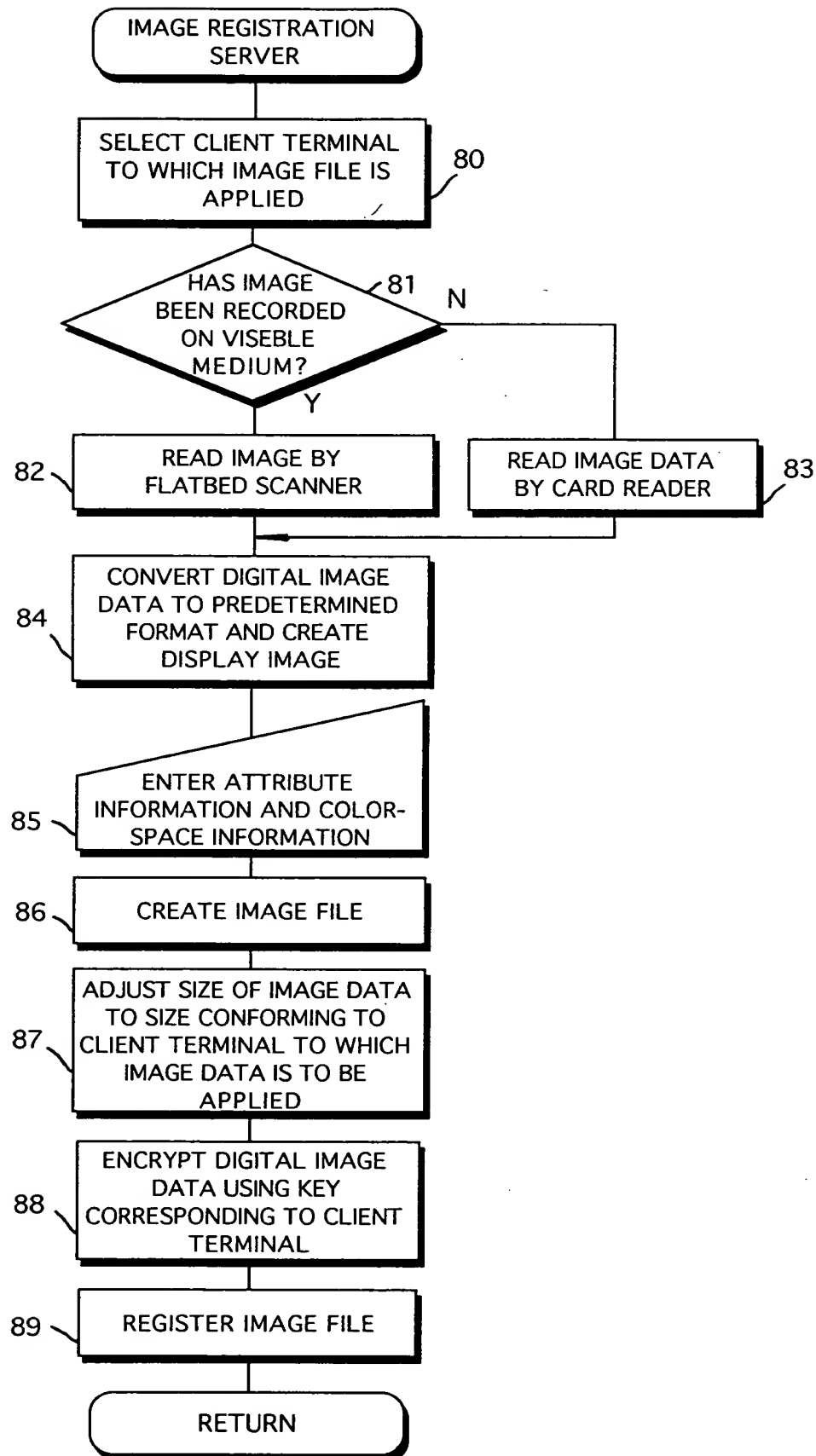
Fig. 7



**Fig. 8**

002260" T022960



**Fig. 9**

002260"10229550

002250" T0229350

Fig. 10a

BEFORE CONVERSION

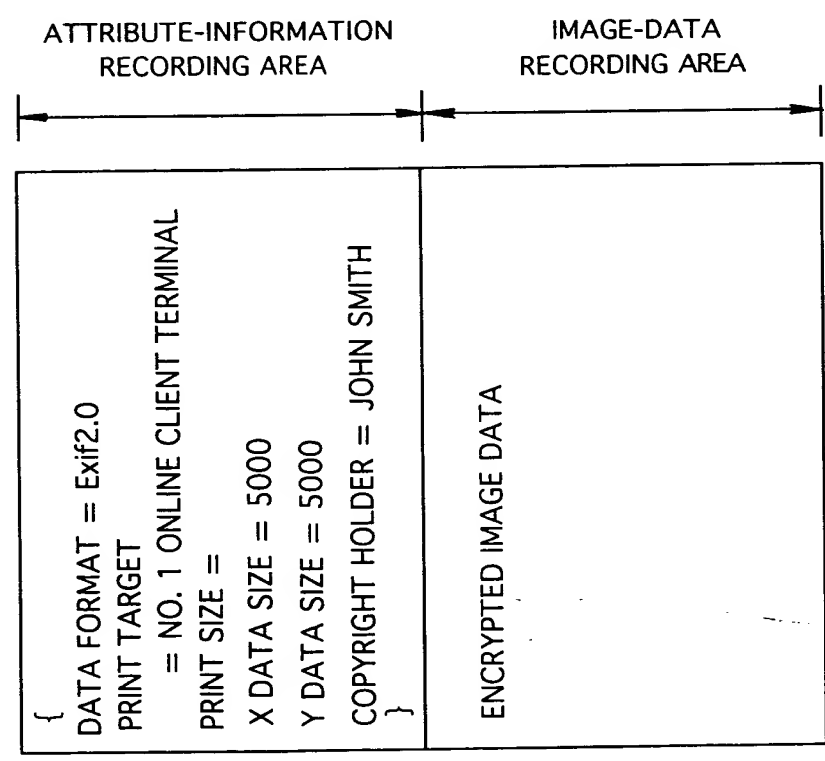
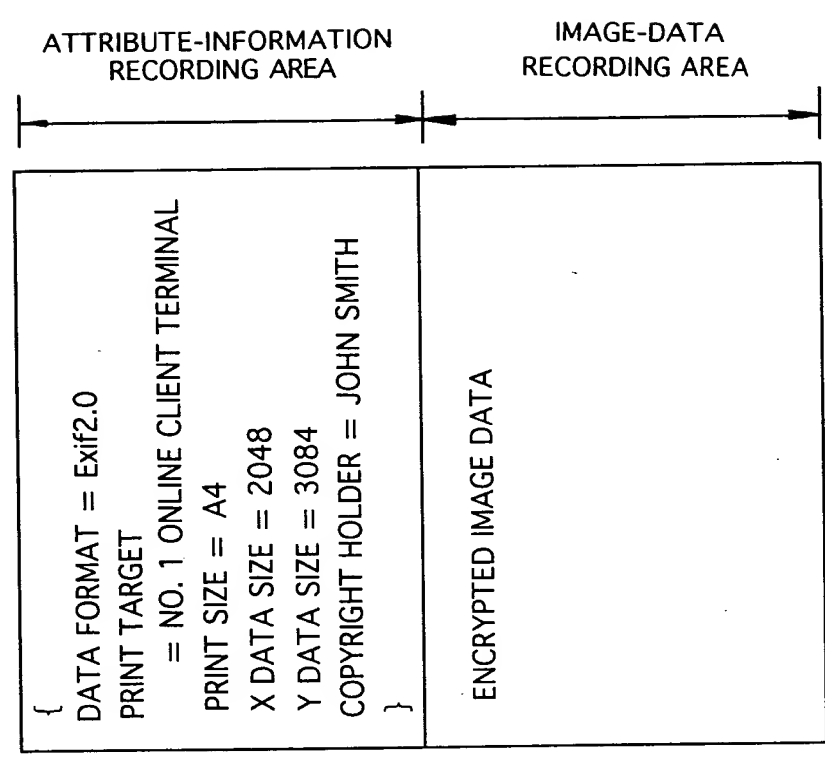
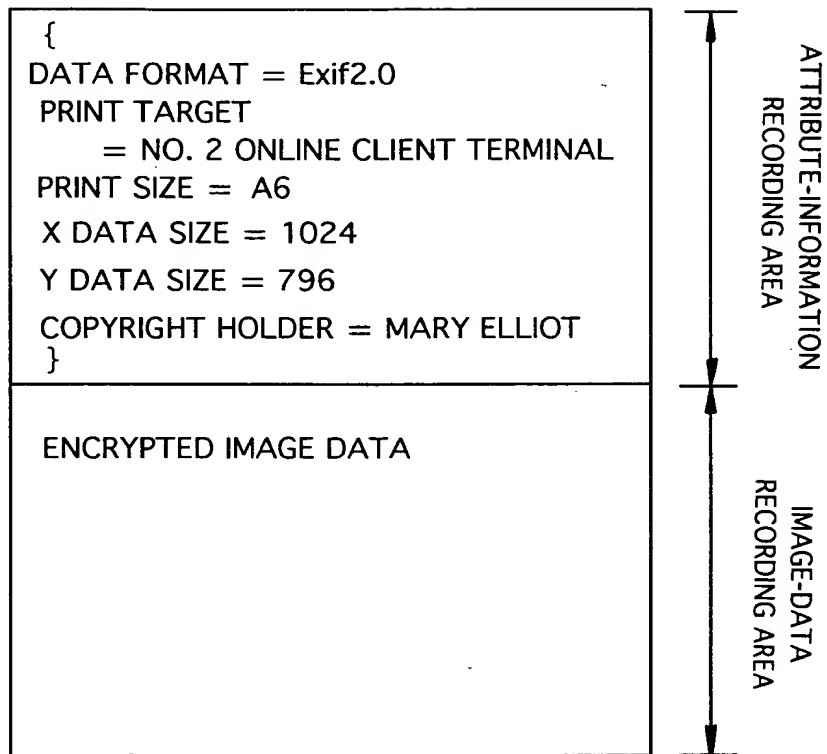


Fig. 10b

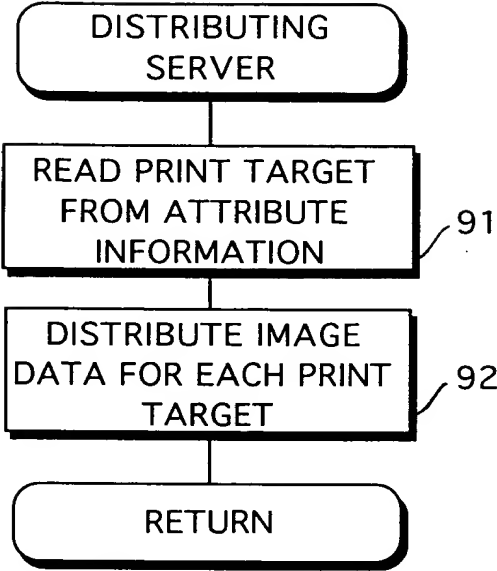
AFTER CONVERSION

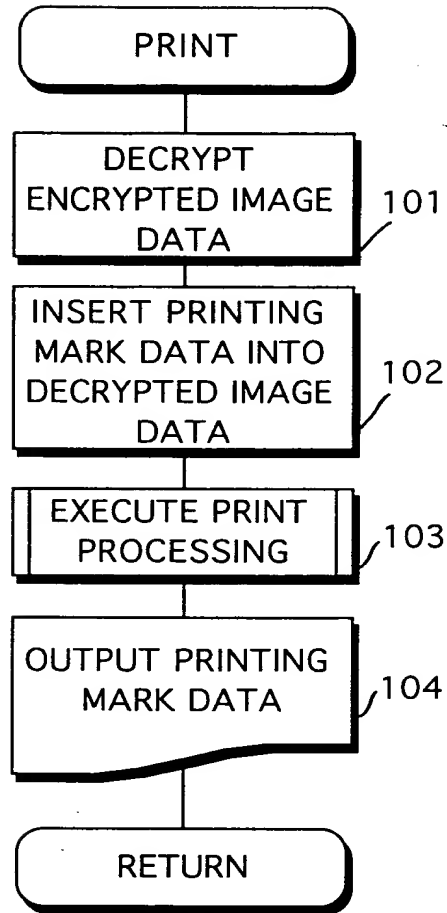


*Fig. 11*

09667701.092200

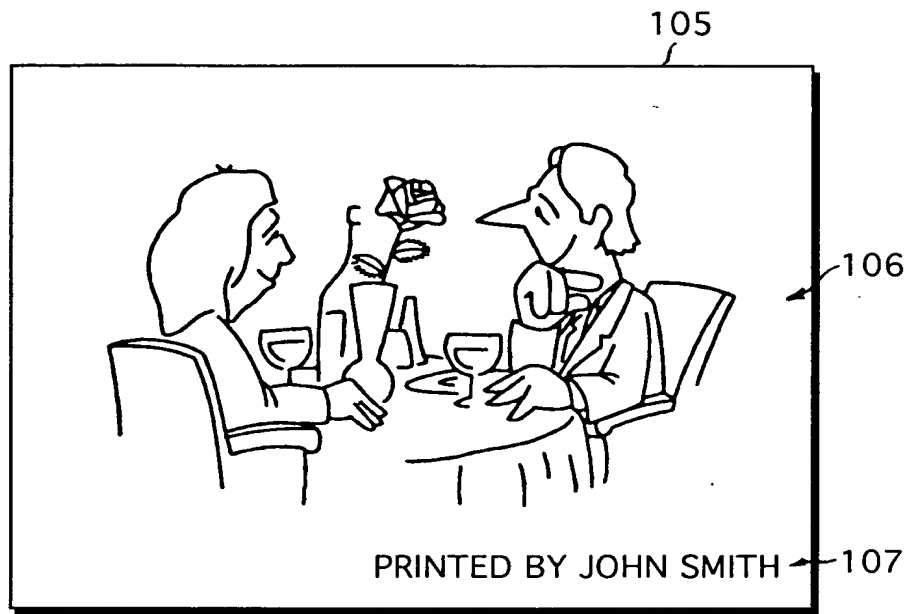
**Fig. 12**



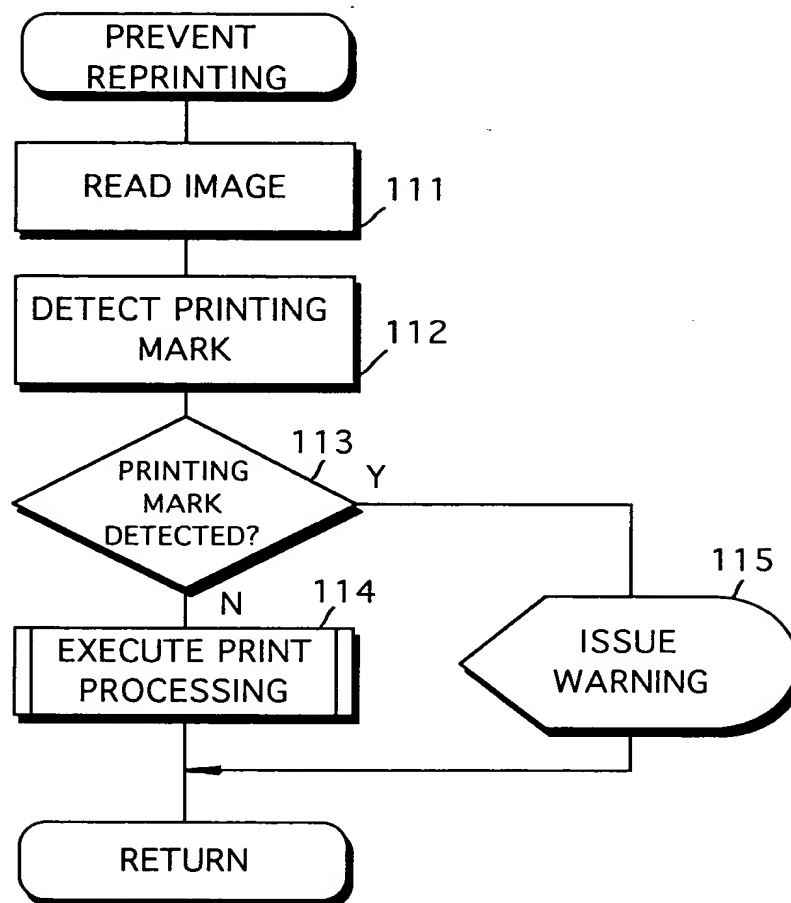
*Fig. 13*

002260 "T079960

**Fig. 14**



002260" FOZ9960

*Fig. 15*

002260" T049960

**Fig. 16**

CLIENT TERMINAL  
(SERIAL NO. ABC0001)

BEFORE INSTALLATION

```
{  
  NUMBER OF INSTALLATIONS = 0  
  INSTALLATION KEY = first time  
}
```

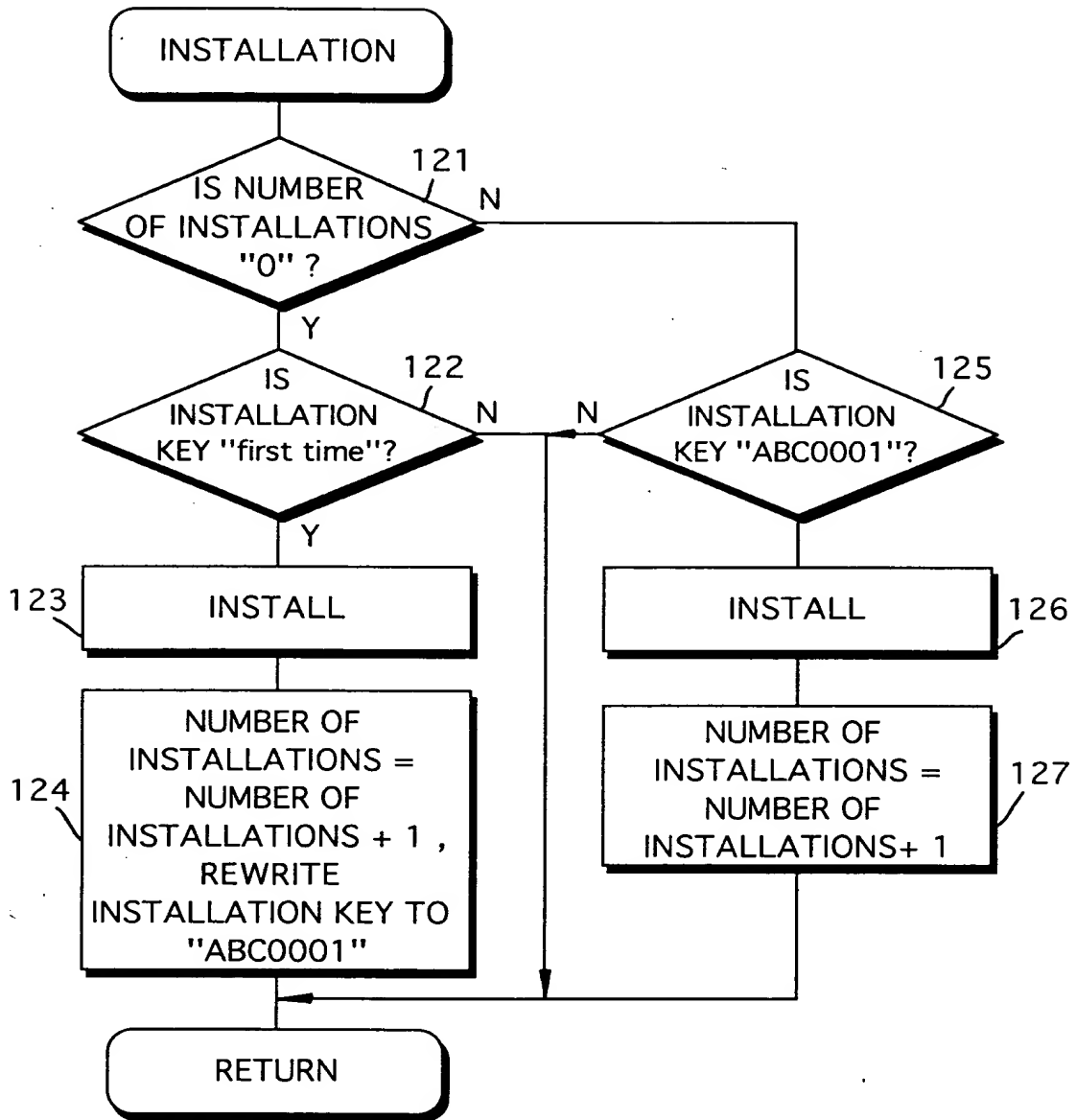
INSTALL



AFTER INSTALLATION

```
{  
  NUMBER OF INSTALLATIONS = 1  
  INSTALLATION KEY = ABC0001  
}
```



*Fig. 17*

002260-107990 0966701-092200

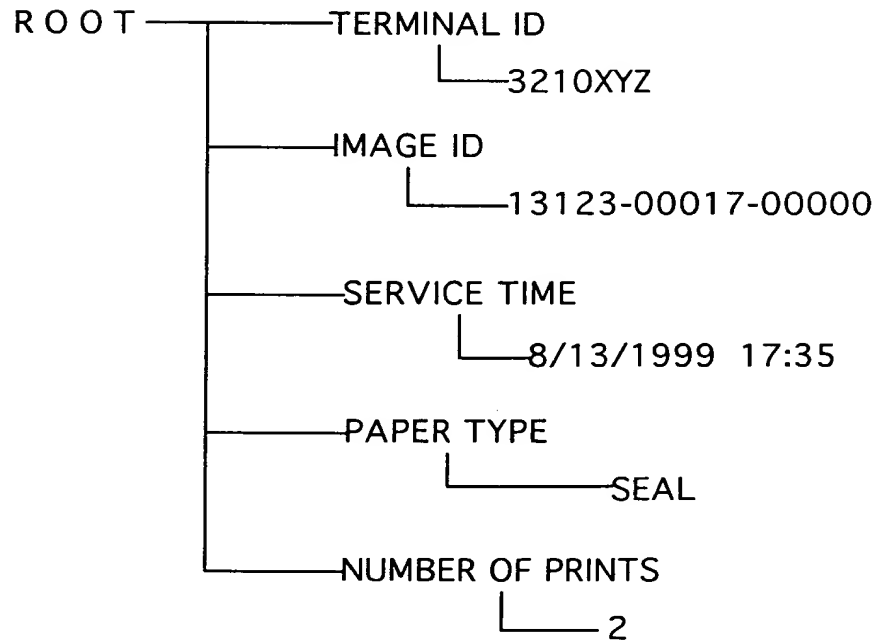
**Fig. 18**

## LOG DATA (TRANSMISSION)

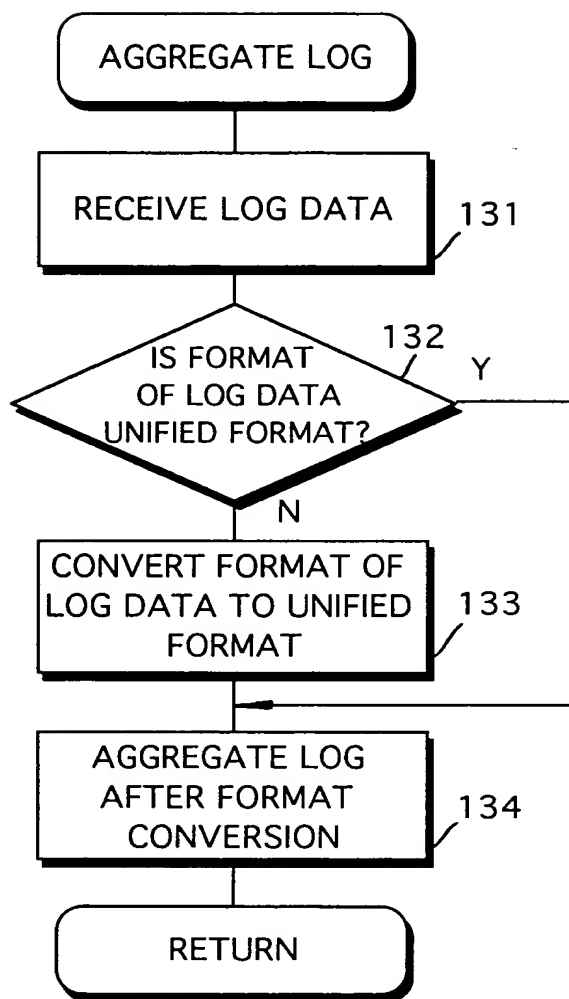
TERMINAL ID : 0123ABC  
IMAGE ID : 12110-00008-00000  
SERVICE TIME : 8/9/1999; 18:54  
PAPER TYPE : A6  
NUMBER OF PRINTS : 2

**Fig. 19**

## LOG DATA (FD)



002260 " F0229960

*Fig. 20*

0966701-092200

*Fig. 21*

## UNIFIED- FORMAT DATA

<PERSONAL INFORMATION>  
<TERMINAL ID>  
<IMAGE ID>  
<SERVICE TIME>  
<PAPER TYPE>  
<NUMBER OF PRINTS>

002260" T022950

**Fig. 22**

## AGGREGATE LOG DATA

<PERSONAL INFORMATION>

<TERMINAL ID> 0123ABC <≠TERMINAL ID>

<IMAGE ID> 12110-00008-00000 <≠IMAGE ID>

<SERVICE TIME> 8/9/1999 18:54 <≠SERVICETIME>

<PAPER TYPE> A6 <≠PAPER TYPE>

<NUMBER OF PRINTS> 2 <≠NUMBER OF PRINTS>

<≠PERSONAL INFORMATION>

<PERSONAL INFORMATION 2>

<TERMINAL ID> 3210XYZ <≠TERMINAL ID>

<IMAGE ID> 13123-00017-00000 <≠IMAGE ID>

<SERVICE TIME> 8/13/1999 17:35 <≠SERVEICIE TIME>

<PAPER TYPE> SEAL <≠PAPER TYPE>

<NUMBER OF PRINTS> 3 <≠NUMBER OF PRINTS>

<≠PERSONAL INFORMATION 2>

002260"1079960